AUDIO SYSTEM

• In Proel Audio systems you will find products for almost every kind of application from the simplest product to fully expandable solutions. All Audio system products are manufactured using only the highest quality components, latest manufacturing techniques and advanced test procedures. Using our state of the art in house design and manufacturing facilities Proel can offer bespoke audio systems to customer specifications and requirements. All product is fully warranted and all components tested pre and post assembly to ensure long term reliability.

SPLITTER

ASP48

SPLITTER

ASP48

MADE MADE MADE
PROEL
100% ITALIAN
Design · Manufacturing · Engineering

	asp48
Structure	1 U rack 19" galvanized metal chassis
Frequency Response	20 Hz-20 khz (±0.3 dB)
Input Impedance	mic: 2 kΩ line: 10 kΩ
Max Input Level	mic: +20 dBv, line: +40 dBv.
CMRR	>90 dB @ 1 kHz (mic), >75 dB 50 Hz - 10 kHz
Electr. Output Impedance	<23 Ω (mic), <100 Ω (line)
Max Electr. Output Level	+3 dBm (mic), +23 dBu (line)
Max Electr. Output Load	200 Ω (mic), 600 Ω (line)
Max Transf. Output Level	+3 dBu
Transf. Output Impedance	<50 Ω
Max Transf. Output Load	600 Ω
T.H.D.	<0.05 % 20 Hz - 20 kHz @ 10 dB below clip
Phantom Power Supply	+48 volts with switch and led
Controls	gain switch (-20, -10, 0, 10 20, 30 dB)
Attenuation Switch (pad)	-0 / -20 dB
Mic/Line Switch (out 1 and 2)	+20 / 0 dB
Channels	n.4 independent channels or internally connected
Inputs (single ch)	n.1 XLR 3-pole back panel mount plug
Outputs (single ch)	n.2 XLR 3-pole back panel mount plugs (out 1 and 2) n.2 XLR 3-pole front panel mount plugs (out 3 and 4)
Noise (e.i.n.) 20 Hz - 20kHz	<-108 dBu (-20 dB gain) <-117 dBu (-10dB gain) <-121 dBu (0 dB gain) <-122 dBu (10 dB gain) <-122 dBu (20 dB gain) <-122 dBu (30 dB gain)
External Power Supply	±25 Vdc, +48 Vdc from PSU2 only

	PSU2
Structure	2 U rack 19" galvanized metal chassis
DC outputs	+25 V unregulated @ 4 A max: low ripple -25 V unregulated @ 4 A max: low ripple +48 V ±5% regulated @ 500 mA max
DC indicators	3 leds for each power supplier (post fuse) +25 V -25 V +48 V
Headroom Meter	12 led meter + clip
Headphone Output	2 x 1/4" stereo jack load impedance: 30 Ω to 600 Ω output: 860 mW (30 Ω) 750 mW (200 Ω)
Power Supply	230 V AC 50 Hz or 115 V AC 60 Hz

• *The new ASP48 is an innovative 4 channels (independent or internally interconnected) active splitter featuring 4 inputs and 16 outputs (8 are electronically balanced and 8 are balanced by transformer). It is able to supply 4, 8, 12 or 16 outputs from just one input signal, all in 1-unit 19" rack. Each channel is characterized by an input featuring the possibility of 48V Phantom feeding, type of input selection (LINE/MIC), adjustable gain ranging from -20dB a +30dB, input signal attenuation PAD, CLIP signalling and CUE function. The ASP48 must be feeded by the PSU2 double feeding unit. Each PSU2 can feed 12 ASP48 under the configuration "single feeding", or 6 ASP48 under the configuration "double feeding". Thanks to the 12-LED Vu-meter it is possible to visualize the level of the signal sent by the ASP48s with the CUE function and to monitor such signal by means of the two headphone outputs. Moreover, it is always possible to keep under control the correct working of the two two PSU2 power suppliers thanks to the feeding state LED.*

PSU2

ASP48
• *Mic/line active splitter with 4 channels (1 input and 4 outputs for each channel) able to provide 4, 6, 8 or 16 outputs from just one input signal, 1-unit19" rack.*

PSU2
• *Separated power supply unit for ASP48 with double headphones output (output signal monitoring) and practical 12 LED Vu-meter. Each PSU2 is able to feed 12 ASP48 under the configuration "single feeding", or 6 ASP48 under the configuration "double feeding".*

STAGE GEAR

DI BOX • D.I. Boxes (Direct Injection Boxes) are part of the essential set of tools required for any professional live sound situation or application where the audio devices feature different levels, impedance and connection. Transforming audio signal from unbalanced to balanced, D.I. Boxes reduce the possibility of electrical disturbances on the line - especially over long lines such as from a musical instrument to the FOH mixing console.

Part of the new Proel Stage Gear series, the new D.I. Box range is comprised of three different models: a single channel active D.I. Box (DB1A), for use by professional musicians and sound engineers for rental, touring, studio and installation applications; a single channel passive D.I. Box (DB1P) designed for applications were it is not possible or not practical to power the box; a dual channel model (DB2A), particularly suitable for DJ use and for musicians using stereo equipment.

The circuitry of each model has been designed with the maximum care. The electronic components, including the isolation transformers (DB1A, DB1P) and low-distortion IC, have been carefully selected, in order to guarantee a clean, hum-free signal transmission from the instrument to the mixing consoles, even on very long cables, without impedance matching problems.

The innovative mechanical design of the three models includes an aluminum shell and rubber corners, which provide the best protection for the use in the toughest situations. When the two rubber corners are removed, two guides are exposed, allowing the coupling of two DI units which can then be mounted in a 19" standard rack (rack ears included). This unique feature is extremely convenient for engineers who need to use a large number of DI BOXES in the same application.

On the front panels a wide choice of connectors is available (XLR, JACK and RCA, depending on the model), allowing easy connection from a wide range of sources, including keyboards and samplers, guitar and basses, PC audio cards and any type of music player.

The ACTIVE versions can be powered with 48V phantom from the mixing console, with 9V battery or, in large applications using many DI BOXES, with an external 9V power adapter that can be daisy-chained using the double power connector on the rear panel.

19" rack mounting kit included

STAGE GEAR

DB1A

• This single-channel, top-of-the-range active DI BOX has been designed to fit into the most demanding setups and applications with an outstanding performance. In order to provide a full isolation between the musician gear and the sound reinforcement system and to avoid ground loops and hum noises, DB1A includes an MU-METAL core transformer able to reduce phase and harmonic distortion to a minimum, with noticeable improvement of the acoustic response. The audio integrity is guaranteed by low-noise, low-consumption IC for balancing the signal, able to handle very low-impedance loads. The input section features JACK and XLR connectors with link possibility and a PAD of up to 30 dB that permits very high-level signal inputs to be used.

DB2A

• DB2A is an active 2-channel DI BOX that represents the most convenient solution for a long-distance, hum-free transmission of stereo signals. For obtaining the best electronic performance, DB2A uses SMD components and low-noise IC for balancing the signals. Any ground-loop problem is eliminated by the differential input design, while the complete set of connections and the PAD up to 30 dB allows any kind of source to be fed in. DB2A is particularly suited for the use with stereo keyboards, DJ equipment and PC-based audio systems.

DB1P

• DB1P is a single-channel passive DI BOX equipped with the same type of MU-METAL core transformer used in the DB1A, which provides minimum distortion, linear phase and hum-free transmission also on very long cables. Thanks to the input stage design, DB1P can accept also signals coming directly from the power output of instrument amplifiers. A specially designed MAKE-UP filter at 4 KHz is also available for cutting any hiss or buzz noise coming from acoustic or electric guitar and basses.

	DB1A	DB2A	DB1P
System Type	1 channel active DI	2 channel active DI	1 channel passive DI
Input Section			
Input Impedance	1M Ohm (pad at 0 dB)	200K Ohm (pad at 0 dB)	120K Ohm (pad at 0 dB)
	47k Ohm (pad at -20 dB)	47k Ohm (pad at -20 dB)	47k Ohm (pad at -20 dB)
	44k Ohm (pad at -30 dB)	47k Ohm (pad at -30 dB)	47k Ohm (pad at -40 dB)
Max Input Level	+5 dBu (pad at 0 dB)	+5 dBu (pad at 0 dB)	+15 dBu (pad at 0 dB)
	+25 dBu (pad at -20 dB)	+25 dBu (pad at -20 dB)	+35 dBu (pad at -20 dB)
	+35 dBu (pad at -30 dB)	+35 dBu (pad at -30 dB)	+55 dBu (pad at -40 dB)
Connectors	Two Parallel 1/4" jack connectors and a parallel XLR connector (unbalanced) Jack: Tip Hot / Sleeve Ground XLR female: Pin 2 Hot / Pin1 & 3 Ground	Two Parallel 1/4" jack connectors and a parallel RCA connector (unbalanced) Jack: Tip Hot / Sleeve Ground	Two Parallel 1/4" jack connectors and a parallel RCA connector (unbalanced) Jack: Tip Hot / Sleeve Ground
Output Section			
Output	Transformer Balanced (fully isolated)	Active discrete devices (transformer less)	Transformer Balanced (isolated with shielding)
Max. Output Level	into 600 Ohms or greater	into 600 Ohms or greater	into 1K Ohms or greater
	+3 dBu (for 0.1% THD at 50 Hz)	+5 dBu (for 0.1% THD at 50 Hz)	-5 dBu (for 0.1% THD at 50 Hz)
	+5 dBu (for 0.1% THD at 1k Hz)	+5 dBu (for 0.1% THD at 1k Hz)	+5 dBu (for 0.1% THD at 1k Hz)
Connector	XLR male: Pin 2 Hot / Pin 3 Cold / Pin1 Ground	XLR male: Pin 2 Hot / Pin 3 Cold / Pin1 Ground	XLR male: Pin 2 Hot / Pin 3 Cold / Pin1 Ground
System Performance			
Insertion loss	< 1 dB	< 1 dB	20 dB
CMR	> 60 dB	> 50 dB	> 100 dB
Phase distortion	+11° at 20 Hz, -6° at 20k Hz	+20° at 20 Hz, -30° at 20k Hz	0° at 20 Hz, 0° at 20k Hz
Distortion THD 20÷20k Hz 0dBu	< 0.007 %	< 0.007 %	< 0.007 %
Noise	< -105 dBu unweighted	< -105 dBu unweighted	< -105 dBu unweighted
Frequency Response	10 Hz to 100 kHz, +0dB/-1 dB	10 Hz to 40 kHz, +0dB/-1 dB	10 Hz to 100 kHz, +0dB/-1 dB
Controls	On/off, Pad -10, Pad -20, Gnd Lift., Ø inv.	On/off, Pad -20, Pad -30, Gnd Lift..	Pad -20, Pad -40, Gnd Lift., Filter (12" emulator)
Indicators	On, signal, clip	On	-
General			
Phantom Power	+24 volts DC to +48 volts DC	+24 volts DC to +48 volts DC	-
External AC/DC adaptor	+9 volts DC	+9 volts DC	-
Standalone/Standby	9 volt PP3 type, battery preferably alkaline.	9 volt PP3 type, battery preferably alkaline.	-
Current consumption	less than 3 mA	less than 16 mA	-
Dimensions (W x H x D)	215 x 50 x 125 mm	215 x 50 x 125 mm	215 x 50 x 125 mm
Weight (excluding batteries)	1.08 kg (2.38 lb)	1.06 kg (2.34 lb)	1.04 kg (2.29 lb)

AUDIO DISTRIBUTION SYSTEMS
"SASOX" - "SAMIL"

SASOX48
• 19" rack 3U module wired with 4 SOCAPEX connectors (19P) and 8 Speakon connectors for amplified signal distribution in audio systems.

SAMIL37
• 19" rack 2U module with one (37P) bayonette male connector, 1 (37P) bayonette female connector, 12 XLR3M and 4 XLR3F connectors for audio signal distribution.

STANDARD STAGE GEAR - *"DB" Series"*

DB1CH
• Audio signal passive balancing system with earth cut-out switch and signal attenuation device. Ratio 1:1 at high impedance. Input/Output with Ø 6.3 mm mono jack socket, balanced output with 3P XLR panel mount male connector.

DBA1CH
• Audio signal active balancing system. Input with Ø 6.3mm mono jack socket, 1 output link, 1 non-balanced output, 1 balanced front output and 1 parallel back output. Two 9V inner batteries feeding, 12 Vdc adapter socket or + 48 V Phantom Power Floor or 19" rack installation using the ADRK1AZ/ADRK2AZ accessory (battery not included).

	DBA1CH
STRUCTURE	Galvanized metal chassis with antiskid feet
FREQUENCY RESPONSE	20Hz - 20kHz (+0 -2dB)
SIGNAL/NOISE RELATIONSHIP	100dB (0dB gain)
INPUT IMPEDANCE	1 MOhm (normal) - 10KOhm (pad)
OUTPUT IMPEDANCE	330 Ohm (balanced) - 2200 Ohm (unbalanced)
T.H.D.	< 0.025% (gain 0 dB)
	< 0.12% (gain +20 dB)
PHANTOM POWER SUPPLY	+15/+48 Volts with 1mA @1100Ohm
CONTROLS	Ground/lift. switch
	Attenuation switch -20dB
	Normal/pad switch
INPUTS	n.1 Ø 6.3 mm mono jack socket (link)
OUTPUTS	n.1 mono jack socket Ø 6.3 mm (balanced)
	n.1 XLR 3P panel mount male plug (unbalanced)
INNER POWER SUPPLY	2 x 9 Volts batteries (not included)
EXTERNAL POWER SUPPLY	12 Vcc - Jack socket Ø 2.1 mm

	DB1CH
STRUCTURE	Galvanized metal chassis with antiskid feet
FREQUENCY RESPONSE	20Hz - 20kHz (+0 -0.3dB)
NOMINAL IMPEDANCE	600 Ohm
INPUT IMPEDANCE	<400 Ohm
LOAD IMPEDANCE	600 Ohm
MAX INPUT LEVEL	+19 dBu @ 20Hz +29 dBu @ 50Hz
CONTROLS	Ground/lift. switch Attenuation switch -20dB
INPUTS	n.1 Ø 6.3 mm mono jack socket
OUTPUTS	n.1 Ø 6.3 mm mono jack socket
	n.1 XLR 3P panel mount male plug.

AUDIO STAGE BOXES
"EZ" SERIES

EZBOX1204
EZBOX1604

• *Comfortable, practical, compact. These are the words that can be used to describe the new PROEL EZ BOX. This stage box features an original design allowing the cable to be wrapped around the structure for transport and allows the box to be used comfortably both upright or laying down. The EZBOX features high quality, resistant PROEL connectors and is available in two different formats (EZBOX1204/EZBOX1604) making it the ideal choice for the touring musician and the rental company who need high quality connections on stage without carrying around bulky flight-cases. Designed for use on stage for the connection of drum kit microphones, for large keyboard rigs, or - in the case of the smaller band, as the main multicore system. EZBOX combines practicality, convenience and portability into a box that can only be described as easy to use.*

NEW

EZBOX1604

PANEL

TERMINAL

CODE	PANEL	TERMINAL	INPUTS	OUTPUTS	CABLE PAIRS	LENGTH
EZBOX1204			12 XLR	4 XLR	16	15 mt - 49,21 ft.
EZBOX1604			16 XLR	4 XLR	20	15 mt - 49,21 ft.
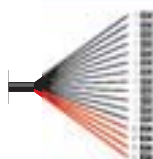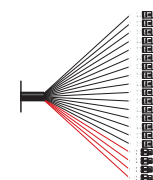
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ASSEMBLED CABLE DRUM
"AVP" Series

AVMT

NEW

AVPBOX8 • *Lightweight assembled cable drum, realized with highly resistant metal frame and strong nylon tumbles, good cable capacity, adjustable blocking system. Equipped with high-quality XLRPRO connectors, built-in metal flange for connectors and high-quality multicore cable with separate earth. Available in two different length configurations.*

AVPBOX8LU10
AVPBOX8LU15
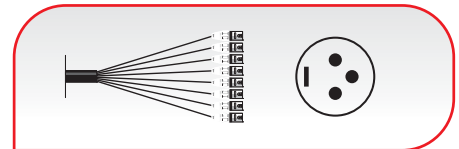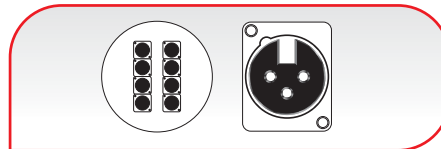
	PANEL			TERMINAL			
CODE	PANEL	TERMINAL		INPUTS	OUTPUTS	CABLE PAIRS	LENGTH
AVPBOX8LU10				8 XLR		8	10 mt - 32.81 ft.
AVPBOX8LU15				8 XLR		8	15 mt - 49.21 ft.

NEW

AVPBOX804 • *Lightweight assembled cable drum, realized with highly resistant moulded plastic frame with reinforced metal parts, good cable capacity. Equipped with high-quality XLRPRO connectors, built-in metal flange for connectors and high-quality multicore cable with separate earth. Available in two different length configurations.*

AVPBOX804LU10
AVPBOX804WLU15
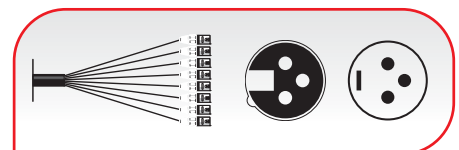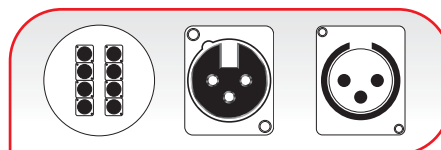
	PANEL				TERMINAL				
CODE	PANEL	TERMINAL			INPUTS	OUTPUTS	CABLE PAIRS	LENGTH
AVPBOX804LU10					8 XLR	4 XLR	12	10 mt. - 32.81 ft.
AVPBOX804LU15					8 XLR	4 XLR	12	15 mt. - 49.21 ft.

ASSEMBLED CABLE DRUM
"AVMT" - "AVMK" Series

AVMT • *Assembled cable drum (AV310 series), realized with highly resistant metal finish structure, large capacity, adjustable braking system, featuring four wheels for an easy transport. Equipped with XLR connectors. Built-in flange for connectors, CMN multicore cable with separate earth.*

AVMT1604
AVMT1604LU30
AVMT2408

	PANEL			TERMINAL	

CODE	PANEL	TERMINAL	INPUTS	OUTPUTS	CABLE PAIRS	LENGTH
AVMT1604			16 XLR	4 XLR	20	20 mt - 66 ft.
AVMT1604LU30			16 XLR	4 XLR	20	30 mt - 99 ft.
AVMT2408			24 XLR	8 XLR	32	30 mt - 99 ft.

AVMK • *Assembled cable metal drum (AV300 series), with black epoxy finish and rotation lock, built-in flange, multicore cable for connections to mixer/stage/studio. Several input and output combinations, CMN series multipair cable with separate earth, XLR metal connectors.*

AVMK1204
AVMK1204LU30
AVMK16
AVMK16LU30
AVMK1604
AVMK1604LU30

	PANEL			TERMINAL	

CODE	PANEL	TERMINAL	INPUTS	OUTPUTS	CABLE PAIRS	LENGTH
AVMK1204			12 XLR	4 XLR	16	20 mt. - 66 ft.
AVMK1204LU30			12 XLR	4 XLR	16	30 mt - 99 ft.
AVMK16			16 XLR	/	16	20 mt - 66 ft.
AVMK16LU30			16 XLR	/	16	30 mt - 99 ft.
AVMK1604			16 XLR	4 XLR	20	20 mt - 66 ft.
AVMK1604LU30			16 XLR	4 XLR	20	30 mt - 99 ft.

AUDIO STAGE BOXES
"TN" Series

TN • *Galvanized metal sheet stage box with highly resistant epoxy paint. Built in accordance with the security regulations in force at present, and manufactured with the most sophisticated equipment. XLR metal connections, "CMN" series multicore cable with separate earth and high quality assembly. 80/20 tin welding. Cable mount terminal covers highly resistant to temperatures up to 150°C. Configurations up to 40 channels.*
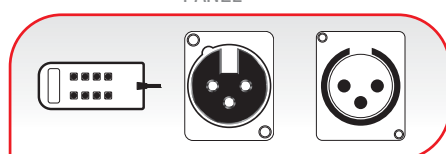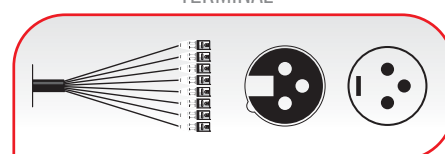
PANEL

TERMINAL

CODE	PANEL	TERMINAL	INPUTS	OUTPUTS	CABLE PAIRS	LENGTH
TN8IN			8 XLR	/	8	10 mt - 33 ft.
TN8INLU20			8 XLR	/	8	20 mt - 66 ft.
TN0804			8 XLR	4 XLR	12	20 mt - 66 ft.
TN12IN			12 XLR	/	12	20 mt - 66 ft.
TN1204			12 XLR	4 XLR	16	20 mt - 66 ft.
TN1204LU30			12XLR	4XLR	16	30 mt - 99 ft.
TN1204LU50			12XLR	4XLR	16	50 mt - 165 ft.
TN1212			12 XLR	12 XLR	24	20 mt - 66 ft.
TN1212LU30			12 XLR	12 XLR	24	30 mt - 99 ft.
TN16IN			16 XLR	/	16	20 mt - 66 ft.

AUDIO STAGE BOXES
"TN" Series

TN • *Galvanized metal sheet stage box with highly resistant epoxy paint. Built in accordance with the security regulations in force at present, and manufactured with the most sophisticated equipment. XLR metal connections, "CMN" series multicore cable with separate earth and high quality assembly. 80/20 tin welding. Cable mount terminal covers highly resistant to temperatures up to 150°C. Configurations up to 40 channels.*
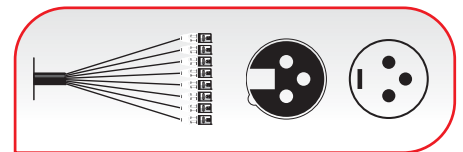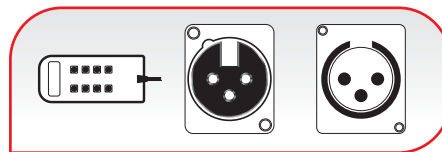
PANEL　　TERMINAL
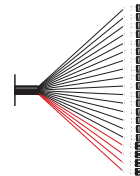
CODE	PANEL	TERMINAL	INPUTS	OUTPUTS	CABLE PAIRS	LENGTH
TN1604			16 XLR	4 XLR	20	20 mt - 66 ft.
TN1604LU30			16 XLR	4 XLR	20	30 mt - 99 ft.
TN1604LU50			16 XLR	4 XLR	20	50 mt - 165 ft.
TN1608			16 XLR	8 XLR	24	30 mt - 99 ft.
TN1608LU50			16 XLR	8 XLR	24	50 mt - 165 ft.
TN2408			24 XLR	8 XLR	32	20 mt - 66 ft.
TN2408LU30			24 XLR	8 XLR	32	30 mt - 99 ft.
TN2408LU40			24 XLR	8 XLR	32	40 mt - 122 ft.
TN2408LU50			24 XLR	8 XLR	32	50 mt - 165 ft.
TN3208			32 XLR	8 XLR	40	30 mt - 99 ft.
TN3208LU50			32 XLR	8 XLR	40	50 mt - 165 ft.
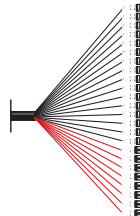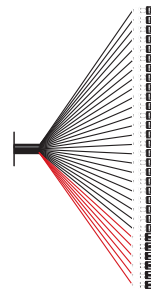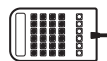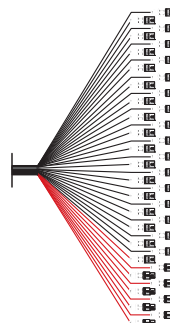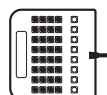
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AUDIO STAGE BOXES
"EBN" Series

EBN1604
• *The EBN series, built in Epoxy powder finished metal box, features small weight and dimension thanks to its professional printed circuit. High quality XLR gold-plated contacts nylon connectors, wired in automatic. Cable mount connections protected by PVC jackets and wired with XLR metal connectors. CMF multicore cable featuring contact earth. Configurations up to 40 channels.*
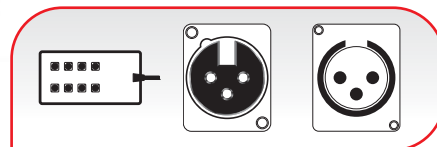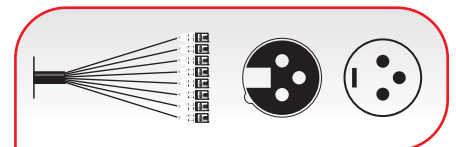
PANEL   **TERMINAL**

CODE	PANEL	TERMINAL	INPUTS	OUTPUTS	CABLE PAIRS	LENGTH
EBN8LU10			8 XLR	/	8	10 mt - 33 ft.
EBN8			8 XLR	/	8	15 mt - 50 ft.
EBN804LU10			8 XLR	4 XLR	12	10 mt - 33 ft.
EBN804			8 XLR	4 XLR	12	25 mt - 82 ft.
EBN1204			12 XLR	4 XLR	16	25 mt - 82 ft.
EBN1604			16 XLR	4 XLR	20	25 mt - 82 ft.
EBN2408			24 XLR	8 XLR	32	25 mt - 82 ft.
EBN3208			32 XLR	8 XLR	40	30 mt - 99 ft.

EBN1604

EBN8

EBN1204

EBN2408

PROFESSIONAL
AUDIO STAGE BOXES
"NK" Series

BOX2403S

PANEL

CMIL MULTIPIN PANEL
MALE SOCKET
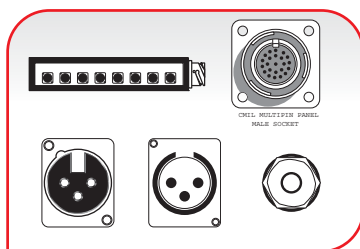
NK • *PROEL "NK" series of audio systems offers highly flexible stage boxes, built in 19" rack automatic stage boxes, black epoxy finish metal, allowing any kind of configuration. The NK series is fitted with CMIL multipin connectors allowing cable disconnection from stage box for an easy installation even with very long cables. Multicore cable with separate earth (CMN). CMIL and XLR connections are made of high quality metal. Shunt protection are realized with high-mechanical resistance jackets. Combinations up to 48 channels, custom configurations. All cables are fitted with high quality connectors, multipin bayonet-mount connectors and CMN earth separate cable.*

TERMINAL

CIML MULTIPIN CABI
FEMALE PLUG

EXTENSION

CIML MULTIPIN CABI
FEMALE PLUG

CMIL MULTIPIN CABLE
MALE PLUG

TERMINAL

CIML MULTIPIN CABI
FEMALE PLUG

PROFESSIONAL AUDIO STAGE BOXES
"NK" Series

8 XLR IN

CMIL MULTIPIN PANEL
MALE SOCKET
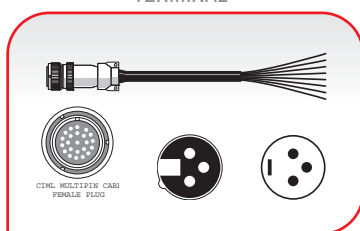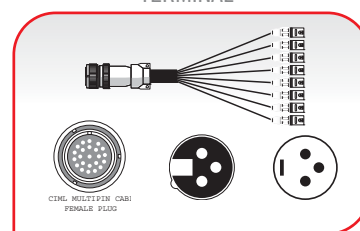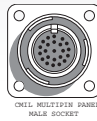
BOX8S
● *Stage box with 8 XLR 3-pole panel mount female sockets and n. 1 x CMIL25MP multicore panel mount male plug.*

CSG2510
CSG2520
● *Assembled cable with PROEL CMN8 multicore audio cable, n. 1 x CMIL25FV multipin cable mount female socket and 8 XLR 3-pole cable mount male plugs. CSG2510: 10 mt - 33 ft. • CSG2520: 20 mt - 66 ft.*
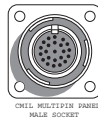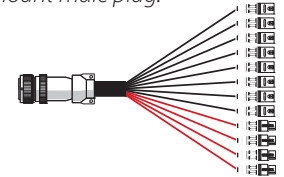
PBX2510
PBX2520
● *Assembled cable with PROEL CMN8 multipair audio cable ending with n. 1 x CMIL25FV multipin cable mount female socket and n. 1 x CMIL25MV multipin cable mount male plug. PBX2510: 10 mt - 33 ft. • PBX2520: 20 mt - 66 ft.*
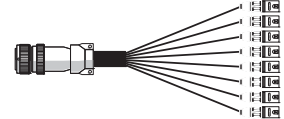
FBX8
● *Assembled cable with PROEL CMN8 multipair audio cable ending with n. 1 x CMIL25FV multipin cable mount female socket and 8 XLR 3-pole cable mount male plug. FBX8: 1.5 mt - 4.92 ft.*

8 XLR IN   4 XLR OUT

CMIL MULTIPIN PANEL
MALE SOCKET

BOX804S
● *Stage box with 8 XLR 3-pole panel mount female sockets, 4 XLR 3-pole panel mount male plugs and n. 1 x CMIL37MP multipin panel mount male plug.*

CSG3710
CSG3720
● *Assembled cable with PROEL CMN12 multipair audio cable, n. 1 x CMIL37FV multipin cable mount female socket, 8 XLR 3-pole cable mount male plugs and 4 XLR 3-pole cable mount female socket. CSG3710: 10 mt - 33 ft. • CSG3720: 20 mt - 66 ft.*
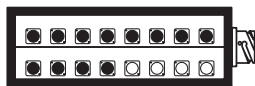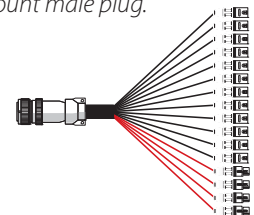
PBX3710
PBX3720
● *Assembled cable with PROEL CMN12 multipair audio cable ending with n. 1 x CMIL37FV multipin cable mount female socket and n. 1 x CMIL37MV multipin cable mount male plug. PBX3710: 10 mt - 33 ft. • PBX3720: 20 mt - 66 ft.*

FBX804
● *Assembled cable with PROEL CMN12 multipair audio cable ending with n. 1 x CMIL37FV multipin cable mount female socket, 8 XLR 3-pole cable mount male plugs and 4 XLR 3-pole cable mount female sockets. FBX804: 1.5 mt - 4.92 ft.*

12 XLR IN   4 XLR OUT

CMIL MULTIPIN PANEL
MALE SOCKET

BOX1204S
● *Stage box with 12 XLR 3-pole panel mount female sockets, 4 XLR 3-pole panel mount male plugs and n. 1 x CMIL54MP multipin panel mount male plug.*

CSG5420
CSG5430
● *Assembled cable with PROEL CMN16 multipair audio cable, n. 1 x CMIL54FV multipin cable mount female socket, 12 XLR 3-pole cable mount male plugs and 4 XLR 3-pole cable mount female sockets. CSG5420: 20 mt - 66 ft. • CSG5430: 30 mt - 91 ft.*

PBX5420
PBX5430
● *Assembled cable with PROEL CMN16 multipair audio cable ending with n. 1 x CMIL54FV multipin cable mount female socket and n. 1 x CMIL54MV multipin cable mount male plug. PBX5420: 20 mt - 66 ft. • PBX5430: 30mt - 91 ft.*
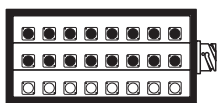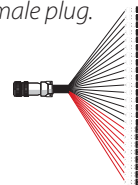
FBX1204
● *Assembled cable with PROEL CMN16 multipair audio cable ending with n. 1 x CMIL54FV multipin cable mount female socket, 12 XLR 3-pole cable mount male plugs and 4 XLR 3-pole cable mount female sockets. FBX1204: 1.5 mt - 4.92 ft.*

PROFESSIONAL
AUDIO STAGE BOXES
"NK" Series

16 XLR IN   8 XLR OUT

CMIL MULTIPIN PANEL
MALE SOCKET

BOX1608S
- Stage box with 16 XLR 3-pole panel mount female sockets, 8 XLR 3-pole panel mount male plugs and n. 1 x CMIL85MP multipin panel mount male plug.
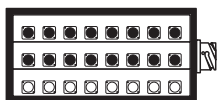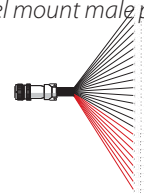
CBX8520
CBX8530
- Assembled cable with PROEL CMN24 multipair audio cable, n. 1 x CMIL85FV multipin cable mount female socket, 16 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. CBX8520: 20 mt - 66 ft. • CBX8530: 30 mt - 91 ft.

PBX8520
PBX8530
- Assembled cable with PROEL CMN24 multipair audio cable ending with n. 1 x CMIL85FV multipin cable mount female socket and n. 1 x CMIL85MV multipin cable mount male plug. PBX8520: 20 mt - 66 ft. • PBX8530: 30 mt - 91 ft.

FBX1608
- Assembled cable with PROEL CMN24 multipair audio cable ending with n. 1 x CMIL85FV multipin cable mount female socket, 16 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. FBX1608: 2 mt - 6.6 ft.

16 XLR JACK IN   8 XLR JACK OUT

CMIL MULTIPIN PANEL
MALE SOCKET

BOXJ1608S
- Stage box with 16 XLR 3-pole panel mount female sockets, 8 XLR 3-pole panel mount male plugs, 24 stereo jack Ø 6.3 mm. panel mount female sockets, n. 1 x CMIL85MP multipin panel mount male plugs.
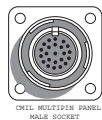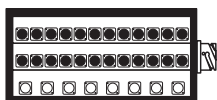
CBX8520
CBX8530
- Assembled cable with PROEL CMN24 multipair audio cable, n. 1 x CMIL85FV multipin cable mount female socket, 16 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. CBX8520: 20 mt - 66 ft. • CBX8530: 30 mt - 91 ft.
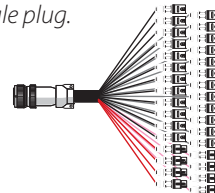
PBX8520
PBX8530
- Assembled cable with PROEL CMN24 multipair audio cable ending with n. 1 x CMIL85FV multipin cable mount female socket and n. 1 x CMIL85MV multipin cable mount male plug. PBX8520: 20 mt - 66 ft. • PBX8530: 30 mt - 91 ft.

FBX1608
- Assembled cable with PROEL CMN24 multipair audio cable ending with n. 1 x CMIL85FV multipin cable mount female socket, 16 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. FBX1608: 2 mt - 6.6 ft.

24 XLR IN   8 XLR OUT

CMIL MULTIPIN PANEL
MALE SOCKET

BOX2408S
- Stage box with 24 XLR 3-pole panel mount female sockets, 8 XLR 3-pole panel mount male plugs, n. 1 x CMIL150MP multipin panel mount male plug.

CBX15030
CBX15050
- Assembled cable with PROEL CMN32 multipair audio cable, n. 1 x CMIL150FV multipin cable mount female socket, 24 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. CBX15030: 30 mt - 91 ft. • CBX15050: 50 mt - 165 ft.
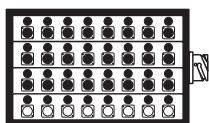
PBX15030
PBX15050
- Assembled cable with PROEL CMN32 multipair cable ending with CMIL150FV multipin cable mount female socket and n. 1 x CMIL150MV multipin cable mount male plug. PBX15030: 30 mt - 91 ft. • PBX15050: 50 mt - 165 ft.
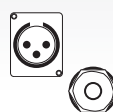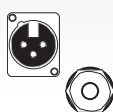
FBX2408
- Assembled cable with PROEL CMN32 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket, 24 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. FBX2408: 2 mt - 6.6 ft.

24 XLR JACK IN   8 XLR JACK OUT

CMIL MULTIPIN PANEL MALE SOCKET

BOXJ2408S
• *Stage box with 24 XLR 3-pole panel mount female sockets, 8 XLR 3-pole panel mount male plugs, 32 stereo jack Ø 6.3 mm panel mount female sockets, n. 1 x CMIL150MP multipin panel mount male plug.*
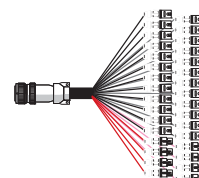
CBX15030
CBX15050
• *Assembled cable with PROEL CMN32 multipair audio cable, n. 1 x CMIL150FV multipin cable mount female socket, 24 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. CBX15030: 30 mt - 91 ft. • CBX15050: 50 mt - 165 ft.*
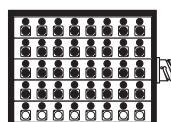
PBX15030
PBX15050
• *Assembled cable with PROEL CMN32 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket and n. 1 x CMIL150MV multipin cable mount male plug. PBX15030: 30 mt - 91 ft. • PBX15050: 50 mt - 165 ft.*

FBX2408
• *Assembled cable with PROEL CMN32 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket, 24 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. FBX2408: 2 mt - 6.6 ft.*

32 XLR IN   8 XLR OUT

CMIL MULTIPIN PANEL MALE SOCKET

SPLITTING MODE AVAILABLE: SPLIT32

BOX3208S
• *Stage box with 32 XLR 3-pole panel mount female sockets, 8 XLR 3-pole panel mount male plugs, n. 1 x CMIL150MP multipin panel mount male plug.*
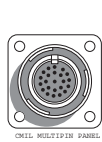
CBX15030X
CBX15050X
• *Assembled cable with PROEL CMN40 multipair audio cable, n. 1 x CMIL150FV multipin cable mount female socket, 32 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. CBX15030X: 30 mt - 91 ft. • CBX15050X: 50 mt - 165 ft.*

PBX15030X
PBX15050X
• *Assembled cable with PROEL CMN40 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket and n. 1 x CMIL150MV multipin cable mount male plug. PBX15030X: 30 mt - 91 ft. • PBX15050X: 50 mt - 165 ft.*

FBX3208
• *Assembled cable with PROEL CMN40 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket, 32 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. FBX3208: 2 mt - 6.6 ft.*

40 XLR IN   8 XLR OUT

CMIL MULTIPIN PANEL MALE SOCKET

SPLITTING MODE AVAILABLE: SPLIT40

BOX4008S
• *Stage box with 40 XLR 3-pole panel mount female sockets, 8 XLR 3-pole panel mount male plugs, n. 1 x CMIL150MP multipin panel mount male plug.*

CBX15030XL
CBX15050XL
• *Assembled cable with PROEL CMN48 multipair audio cable, n. 1 x CMIL150FV multipin cable mount female socket, 40 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. CBX15030XL: 30 mt - 91 ft. • CBX15050XL: 50 mt - 165 ft.*
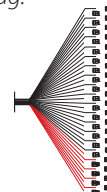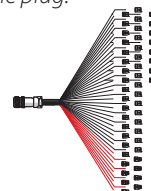
PBX15030XL
PBX15050XL
• *Assembled cable with PROEL CMN48 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket and n. 1 x CMIL150MV multipin male plug. PBX15030XL: 30 mt - 91 ft. • PBX15050XL: 50 mt - 165 ft.*

FBX4008
• *Assembled cable with PROEL CMN48 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket, 40 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. FBX4008: 2 mt - 6.6 ft.*

PROFESSIONAL AUDIO STAGE BOXES
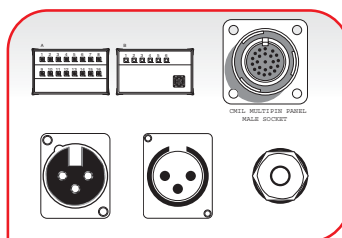## "SN" Series

REAR VIEW
WITH SPLITTING
MODE EXAMPLE

SN
• *Designed for professionals requiring high-quality audio systems for audio signals routing in different applications. CMIL multipin connectors are bayonet mounted, allowing an easy disconnection from stage box. Assembled with CMT series professional multipair cables, individually shielded. "SN" series Stage Box is fitted with input and output connectors on the front or rear box panel. These systems can be made also with the supply of AV series cable drums.*

PANEL

CMIL MULTIPIN PANEL
MALE SOCKET

SPLITTING MODE
• *"SN" series is also available with a second rear multipin connector, parallel to the first one for monitor systems.*

SNBOX16 SPLITTING MODE
• *Code: SPLIT16*
• *Connector: CMIL85MP (included)*

SNBOX24 SPLITTING MODE
• *Code: SPLIT24*
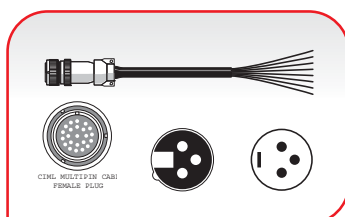• *Connector: CMIL150MP (included)*

SNBOX32 SPLITTING MODE
• *Code: SPLIT32*
• *Connector: CMIL150MP (included)*

SNBOX40 SPLITTING MODE
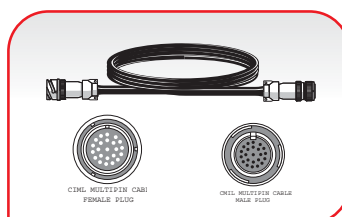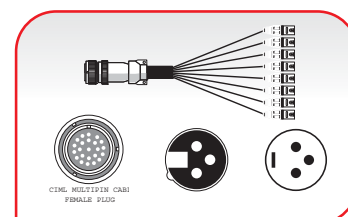• *Code: SPLIT40*
• *Connector: CMIL150MP (included)*

TERMINAL

CIML MULTIPIN CABI
FEMALE PLUG

EXTENSION

CIML MULTIPIN CABI
FEMALE PLUG

CMIL MULTIPIN CABLE
MALE PLUG

TERMINAL

CIML MULTIPIN CABI
FEMALE PLUG

PROFESSIONAL AUDIO STAGE BOXES
"SN" Series

16 XLR IN **6 XLR OUT**

CMIL MULTIPIN PANEL MALE SOCKET

SNBOX16
• Stage Box with 16 Neutrik XLR 3-pole panel mount female sockets (NC3FDL1), 6 Neutrik XLR 3-pole panel mount male plugs (NC3MDL1), n. 1 x CMIL85MP panel mount male plug on the rear panel.

CV8530X
CV8550X
• Assembled cable with PROEL CMT24 multipair audio cable, n. 1 x CMIL85FV multipin cable mount female socket, 16 XLR 3-pole cable mount male plugs and 6 XLR 3-pole cable mount female sockets. CV8350X: 30 mt - 91 ft. • CV8550X: 50 mt - 165 ft.

PR8530X
PR8550X
• Assembled cable with PROEL CMT24 multipair audio cable ending with n. 1 x CMIL85FV multipin cable mount female socket and n. 1 x CMIL85MV multipin cable mount male plug. PR8530X: 30 mt - 91 ft. • PR8550X: 50 mt - 165 ft.

STR1606
• Assembled cable with PROEL CMT24 multipair audio cable ending with n. 1 x CMIL85FV multipin cable mount female socket, 16 XLR 3-pole cable mount male plugs and 6 XLR 3-pole cable mount female sockets. STR1606: 2 mt - 6.6 ft.

24 XLR IN **8 XLR OUT**

CMIL MULTIPIN PANEL MALE SOCKET

SNBOX24
• Stage Box with 24 Neutrik XLR 3-pole panel mount female sockets (NC3FDL1), 8 Neutrik XLR 3-pole panel mount male plugs (NC3MDL1), n. 1 x CMIL150MP panel mount male plug on the rear panel.
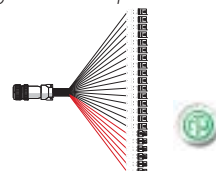
CV15030
CV15050
• Assembled cable with PROEL CMT32 multipair audio cable, n. 1 x CMIL150FV multipaur cable mount female socket, 24 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. CV15030: 30 mt - 91 ft. • CV15050: 50 mt - 165 ft.

PR15030
PR15050
• Assembled cable with PROEL CMT32 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket and n. 1 x CMIL150MV multipin cable mount male plug. PR15030: 30 mt - 91 ft. • PR15050: 50 mt - 165 ft.

STR2408
• Assembled cable with PROEL CMT32 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket, 24 XLR 3-pole cable mount malel plugs and 8 XLR 3-pole cable mount female sockets. STR2408: 2 mt - 6.6 ft.

SNBOX32
• Stage Box with 32 Neutrik XLR 3-pole panel mount female sockets (NC3FDL1), 8 Neutrik XLR 3-pole panel mount male plugs (NC3MDL1), n. 1 x CMIL150MP panel mount male plug on the rear panel.
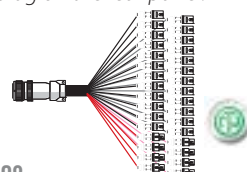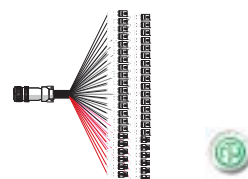
32 XLR IN **8 XLR OUT**

CMIL MULTIPIN PANEL MALE SOCKET

CV15030X
CV15050X
• Assembled cable with PROEL CMT40 multipair audio cable, n. 1 x CMIL150FV multipin cable mount female socket, 32 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. CV15030X: 30 mt - 91 ft. • CV15050X: 50 mt - 165 ft.

PR15030X
PR15050X
• Assembled cable with PROEL CMT40 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket and n. 1 x CMIL150MV multipin cable mount male plug. PR15030X: 30 mt - 91 ft. • PR15050X: 50 mt - 165 ft.

STR3208
• Assembled cable with PROEL CMT40 multipair audio cable ending with n. 1 x CMIL150FV multipin cable mount female socket, 32 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. STR3208: 2 mt - 6.6 ft.

PROFESSIONAL AUDIO STAGE BOXES
"SN" Series

40 XLR IN   8 XLR OUT

CMIL MULTIPIN PANEL
MALE SOCKET

SNBOX40
• *Stage Box with n. 40 Neutrik XLR 3-pole panel mount female sockets (NC3FDL1), n. 8 Neutrik XLR 3-pole panel mount male plugs (NC3MDL1), n. 1 CMIL150MP panel mount multipin male plug on the rear panel.*

A   B

CV15030XL
CV15050XL
• *Assembled cable with PROEL CMN48 multipair audio cable, n. 1 CMIL150FV multipin cable mount female socket, 40 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. CV15030XL: 30 mt - 91 ft. • CV15050XL: 50 mt - 165 ft.*
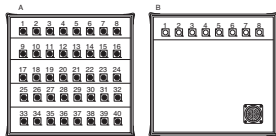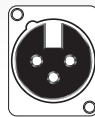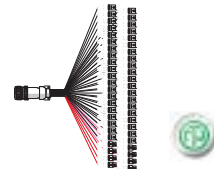
PBX15030XL
PBX15050XL
• *Assembled cable with PROEL CMN48 multipair audio cable ending with n. 1 CMIL150FV multipin cable mount female socket and n. 1 CMIL150MV multipin male plug. PBX15030XL: 30 mt - 91 ft. • PBX15050XL: 50 mt - 165 ft.*

STR4008
• *Assembled cable with PROEL CMN48 multipair audio cable ending with n. 1 CMIL150FV multipin cable mount female socket, n. 40 XLR 3-pole cable mount male plugs and n. 8 XLR 3-pole cable mount female sockets. STR4008: 2 mt - 6.6 ft.*

STAGE BOX AUDIO SYSTEMS - "PROBOX" Series"

MADE MADE MADE
PROEL
100% ITALIAN
Engineering

NEW

PROBOX3208
PROBOX3208TR
• *New professional Stage Boxes made from highly resistant thermoplastic (IK10), featuring practical handles and stacking system. The PROBOX3208 and PROBOX3208TR feature 32 x Neutrik 3-pin panel mount female XLR connectors (NC3FDLX) each with a "ground-lift" switch; 8 x Neutrik 3-pin panel-mount male XLR(NC3MDLX). The back of the unit features 2 CMIL multipin connectors (CMIL150MP) equipped with dust caps (PROBOX3208). Also available in versions with 1:1 audio transformer isolated monitor output(PROBOX3208TR).*

CMIL MULTIPIN PANEL
MALE SOCKET
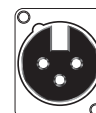
1:1   TR VERSION

PROBOX3208

PROBOX4008
PROBOX4008TR
• *New Professional Stage Box with the same characteristics as the PROBOX3208, but with 40 x Neutrik 3-pin panel mount female XLR connectors (NC3FDLX) each with a "ground-lift" switch and 8 x Neutrik 3-pole panel-mount male XLR (NC3MDLX) - (PROBOX4008). Also available with 1:1 audio transformer isolated monitor output (PROBOX4008TR).*

CMIL MULTIPIN PANEL
MALE SOCKET

1:1   TR VERSION

PROBOX4008

195
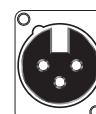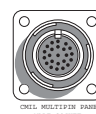
PROFESSIONAL
AUDIO STAGE BOXES
"USAW" Series

USAW
- *The new USAW series is realized with a highly resistant Epoxy powder finish metal box. It is manufactured according to the current security regulation parameters and processed with the most advanced equipment. XLR plastic connectors welded on circuit, featuring a switch for each ground/lift. channel. Multipin screw mount connectors are employed in their manufacturing in order to grant maximum reliability. It also offers the possibility of direct output from the box and convenient feature of both rack and wall mounting. Combinations up to 48 channels, also under Split configuration.*

USAW3208

FREQUENCY RESPONSE	20Hz - 20kHz (+0.5dB @ 10 dBm input)
INPUT IMPEDANCE	600 Ohm
OUTPUT IMPEDANCE	600 Ohm
INPUT MAX LEVEL	+26dBu.
CORE	MUMETAL
PRIM. STATIC RESISTANCE	272 Ohm
SEC. STATIC RESISTANCE	338 Ohm
T.H.D.	< 0.1% 20Hz - 20kHz @ 10dB
CONTROLS	earth switches.

SPLITTING MODE
- *"USAW" series is also available with a second rear multipin connector, parallel to the fist one for monitor systems.*

USAW3208 SPLITTING MODE
- *Code: SPLITW32*
- *Connector: CMILV150MP (included)*

USAW4008 SPLITTING MODE
- *Code: SPLITW40*
- *Connector: CMILV150MP (included)*

USAW3208 +
SPLITW32

CMIL MULTIPIN PANEL
MALE SOCKET
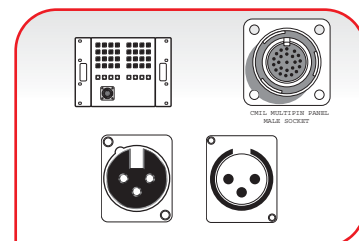
TERMINAL

EXTENSION

TERMINAL

CIML MULTIPIN CABI
FEMALE PLUG

CIML MULTIPIN CABI
FEMALE PLUG

CMIL MULTIPIN CABLE
MALE PLUG

CIML MULTIPIN CABI
FEMALE PLUG

PROFESSIONAL
AUDIO STAGE BOXES
"USAW" Series

32 XLR IN　　**8 XLR OUT**

CMIL MULTIPIN PANEL
MALE SOCKET

USAW3208

● *Stage Box with n. 32 XLR 3-pole panel mount female sockets, n. 8 XLR 3-pole panel mount male plugs, n.1 x CMILV150MP panel mount multipin male plug.*

CBV15010
CBV15030
CBV15050

● *Assembled cable with PROEL CMN40 multipair audio cable, n. 1 x CMILV150FV multipin cable mount female socket, n. 32 XLR 3-pole cable mount male plugs and n. 8 XLR 3-pole cable mount female sockets. CBV15010: 10 mt - 32 ft. • CBV15030: 30 mt - 91 ft. • CBV15050: 50 mt - 152 ft.*
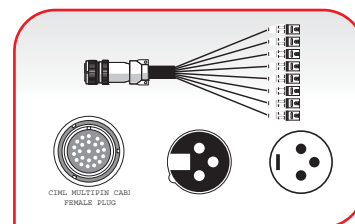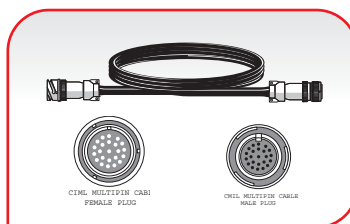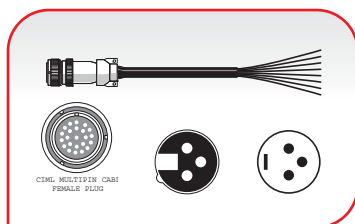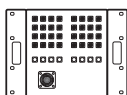
PBV15030
PBV15050

● *Assembled cable with PROEL CMN40 multipair audio cable ending with n. 1 x CMILV150FV multipin cable mount female socket and n. 1 x CMILV150MV multipin cable mount male plug. PBV15030: 30 mt - 91 ft. • PBV15050: 50 mt - 152 ft.*

FBV3208

● *Assembled cable with PROEL CMN40 multipair audio cable ending with n. 1 x CMILV150FV multipin cable mount female socket, 32 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. FBV3208: 2 mt - 6.6 ft.*

40 XLR IN　　**8 XLR OUT**

CMIL MULTIPIN PANEL
MALE SOCKET

USAW4008

● *Stage Box with n. 40 XLR 3-pole panel mount female sockets, n. 8 XLR 3-pole panel mount male plugs, n.1 CMILV150MP panel mount multipin male plug.*
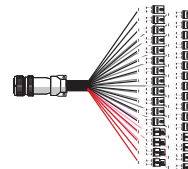
CBV15010X
CBV15030X
CBV15050X

● *Assembled cable with PROEL CMN48 multipair audio cable, n. 1 x CMILV150FV cable mount multipin female socket, n. 40 XLR 3-pole cable mount male plugs and n. 8 XLR 3-pole cable mount female sockets. CBV15010X: 10 mt - 32 ft. • CBV15030X: 30 mt - 91 ft. • CBV15050X: 50 mt - 152 ft.*

PBV15030X
PBV15050X

● *Assembled cable with PROEL CMN48 multipair audio cable ending with n. 1 x CMILV150FV cable mount multipin female socket and n. 1 x CMILV150MV cable mount multipin male plug. PBV15030X: 30 mt - 91 ft. • PBV15050X: 50 mt - 152 ft.*

FBV4008

● *Assembled cable with PROEL CMN48 multipair audio cable ending with n. 1 x CMILV150FV cable mount multipin female socket, 40 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. FBV4008: 2 mt - 6.6 ft.*

PROFESSIONAL AUDIO STAGE BOXES
"USAS" Series

USAS3208

USAS

• *The USAS series has the same features of the USAW series, but in addition is equipped with 1:1 audio transformers for isolated monitor output. It also offers the convenient feature of both rack and wall mounting. Combinations up to 48 channels.*

1:1

SPLITTING MODE

2 CMIL   32 XLR IN   8 XLR OUT

CMIL MULTIPIN PANEL MALE SOCKET

USAS3208

• *Stage Box with n. 32 XLR 3-pole panel mount female sockets, n. 8 XLR 3-pole panel mount male plugs, n. 2 x CMILV150MP panel mount multipin male plug*

CBV15010
CBV15030
CBV15050

• *Assembled cable with PROEL CMN40 multipair audio cable, n. 1 x CMILV150FV cable mount multipin female socket, n. 32 XLR 3-pole cable mount male plugs and n. 8 XLR 3-pole cable mount female sockets. CBV15010: 10 mt - 32 ft. • CBV15030: 30 mt - 91 ft. • CBV15050: 50 mt - 152 ft.*
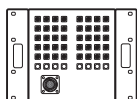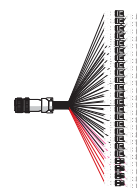
PBV15030
PBV15050

• *Assembled cable with PROEL CMN40 multipair audio cable ending with n. 1 x CMILV150FV cable mount multipin female socket and n. 1 x CMILV150MV cable mount multipin male plug. PBV15030: 30 mt - 91 ft. • PBV15050: 50 mt - 152 ft.*

FBV3208

• *Assembled cable with PROEL CMN40 multipair audio cable ending with n. 1 x CMILV150FV cable mount multipin female socket, 32 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. FBV3208: 2 mt - 6.6 ft.*
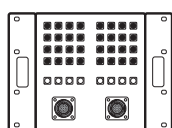

SPLITTING MODE

2 CMIL   40 XLR IN   8 XLR OUT

CMIL MULTIPIN PANEL MALE SOCKET

USAS4008

• *Stage Box with n. 40 XLR 3-pole panel mount female sockets, n. 8 XLR 3-pole panel mount male plugs, n.2 x CMILV150MP panel mount multipin male plug.*
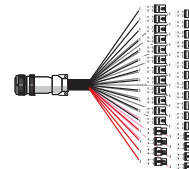

CBV15010X
CBV15030X
CBV15050X

• *Assembled cable with PROEL CMN48 multipair audio cable, n. 1 x CMILV150FV cable mount multipin female socket, n. 40 XLR 3-pole cable mount male plugs and n. 8 XLR 3-pole cable mount female sockets. CBV15010X: 10 mt - 32 ft. • CBV15030X: 30 mt - 91 ft. • CBV15050X: 50 mt - 152 ft.*

PBV15030X
PBV15050X

• *Assembled cable with PROEL CMN48 multipair audio cable ending with n. 1 x CMILV150FV cable mount multipin female socket and n. 1 x CMILV150MV cable mount multipin male plug. PBV15030X: 30 mt - 91 ft. • PBV15050X: 50 mt - 152 ft.*

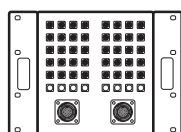**FBV4008**

• *Assembled cable with PROEL CMN48 multipair audio cable ending with n. 1 x CMILV150FV cable mount multipin female socket, 40 XLR 3-pole cable mount male plugs and 8 XLR 3-pole cable mount female sockets. FBV4008: 2 mt - 6.6 ft.*

MULTIPIN
AUDIO CONNECTORS
Bayonet "CMIL" Series

CMIL

• PROEL "CMIL" series is made with UNI 5075 / UNI 6060 aluminium alloy worked with CNC machines, subjected to galvanic treatment and finished according to MIL standards. It features a variety of combinations ranging from 19 to 150 poles. Bayonet locking system with 3 ramps on the housing grants a perfect mating. Crimp and solder contacts, silver or gold plated. Contact connection low resistance grants line or microphone audio signals not to have attenuations or alterations. Connector covers are available to protect contacts against mechanical stress. Electrodeposition of black paint (F6) cataforesis in accordance with RoHS. Working voltage: 700Vdc / 500Vac class A / 250Vdc / 200Vac class I. Working temperature: - 55 / + 125 C°.

CMIL19MV

• Aluminium cable mount male plug with bayonet locking system, n. 19 silver plated contacts.

CMIL19MV
19 PIN

CMIL19FV

• Aluminium cable mount female socket with bayonet locking system, n. 19 silver plated contacts.

CMIL19FV
19 PIN

CMIL25MV

• Aluminium cable mount male plug with bayonet locking system, n. 25 silver plated contacts.

CMIL25MV
25 PIN

CMIL25FV

• Aluminium cable mount female socket with bayonet locking system, n. 25 silver plated contacts.

CMIL25FV
25 PIN

CMIL19FP

• Awluminium panel mount female receptacle with bayonet locking system, n. 19 silver plated contacts.

CMIL19FP
19 PIN

CMIL19MP

• Aluminium panel mount male receptacle with bayonet locking system, n. 19 silver plated contacts.

CMIL19MP
19 PIN

CMIL25FP

• Aluminium panel mount female receptacle with bayonet locking system, n. 25 silver plated contacts.

CMIL25FP
25 PIN

CMIL25MP

• Aluminium panel mount male receptacle with bayonet locking system, n. 25 silver plated contacts.

CMIL25MP
25 PIN

TPM19

• Closing cap for n. 19 contacts female socket with bayonet locking system. Equipped with nylon covered stainless steel rope.

TPM19

TPF19

• Closing cap for n. 19 contacts male plug with bayonet locking system. Equipped with nylon covered stainless steel rope.

TPF19

TPM25

• Closing cap for n. 25 contacts female socket with bayonet locking system. Equipped with nylon covered stainless steel rope.

TMP25

TPF25

• Closing cap for n. 25 contacts male plug with bayonet locking system. Equipped with nylon covered stainless steel rope.

TPF25

MULTIPIN
AUDIO CONNECTORS
Bayonet "CMIL" Series

CMIL37MV
• Aluminium cable mount male plug with bayonet locking system, n. 37 silver plated contacts.

CMIL37MV
37 PIN

CMIL37FV
• Aluminium cable mount female socket with bayonet locking system, n. 37 silver plated contacts.

CMIL37FV
37 PIN

CMIL54MV
• Aluminium cable mount male plug with bayonet locking system, n. 54 silver plated contacts.

CMIL54MV
54 PIN

CMIL54FV
• Aluminium cable mount female socket with bayonet locking system, n. 54 silver plated contacts.

CMIL54FV
54 PIN

CMIL85MV
• Aluminium cable mount male plug with bayonet locking system, n. 85 silver plated contacts.

CMIL85MV
85 PIN

CMIL37FP
• Aluminium panel mount female receptacle with bayonet locking system, n. 37 silver plated contacts.

CMIL37FP
37 PIN

CMIL37MP
• Aluminium panel mount male receptaclewith bayonet locking system, n. 37 silver plated contacts.

CMIL37MP
37 PIN

CMIL54FP
• Aluminium panel mount female receptacle with bayonet locking system, n. 54 silver plated contacts.

CMIL54FP
54 PIN

CMIL54MP
• Aluminium panel mount male receptacle with bayonet locking system, n. 54 silver plated contacts.

CMIL54MP
54 PIN

CMIL85FP
• Aluminium panel mount female receptacle with bayonet locking system, n. 85 silver plated contacts.

CMIL85FP
85 PIN

TPM37
• Closing cap for n. 37 contacts female socket with bayonet locking system. Equipped with nylon covered stainless steel rope.

TPM37

TPF37
• Closing cap for n. 37 contacts male plug with bayonet locking system. Equipped with nylon covered stainless steel rope.

TPF37

TPM54
• Closing cap for n. 54 contacts female socket with bayonet locking system. Equipped with nylon covered stainless steel rope.

TPM54

TPF54
• Closing cap for n. 54 contacts male plug with bayonet locking system. Equipped with nylon covered stainless steel rope.

TPF54

TPM85
• Closing cap for n. 85/100/150 contacts female socket with bayonet locking system. Equipped with nylon covered stainless steel rope.

TPM85

MULTIPIN
AUDIO CONNECTORS
Bayonet "CMIL" Series

CMIL85FV

• *Aluminium cable mount female socket with bayonet locking system, n. 85 silver plated contacts.*

CMIL85FV

85 PIN

CMIL100MV

• *Aluminium cable mount male plug with bayonet locking system, n. 100 gold plated contacts.*

CMIL100MV

100 PIN

CMIL100FV

• *Aluminium cable mount female socket with bayonet locking system, n. 100 gold plated contacts.*

CMIL100FV

100 PIN

CMIL150MV

• *Aluminium cable mount male plug with bayonet locking system, n. 150 gold plated contacts.*

CMIL150MV

150 PIN

CMIL150FV

• *Aluminium cable mount female socket with bayonet locking system, n. 150 gold plated contacts.*

CMIL150FV

150 PIN

CMIL85MP

• *Aluminium panel mount male receptacle with bayonet locking system, n. 85 silver plated contacts.*

CMIL85MP

85 PIN

CMIL100FP

• *Aluminium panel mount female receptacle with bayonet locking system, n. 100 gold plated contacts.*

CMIL100FP

100 PIN

CMIL100MP

• *Aluminium panel mount male receptacle with bayonet locking system, n. 100 gold plated contacts.*

CMIL100MP

100 PIN

CMIL150FP

• *Aluminium panel mount female receptacle, n. 150 gold plated contacts.*

CMIL150FP

150 PIN

CMIL150MP

• *Aluminium panel mount male receptacle with bayonet locking system, n. 150 gold plated contacts.*

CMIL150MP

150 PIN

TPF85

• *Closing cap for n. 85/100/150 contacts male plug with bayonet locking system. Equipped with nylon covered stainless steel rope.*

TPF85

TPM85

• *Closing cap for n. 85/100/150 contacts female socket with bayonet locking system. Equipped with nylon covered stainless steel rope.*

TPM85

TPF85

• *Closing cap for n. 85/100/150 contacts male plug with bayonet locking system. Equipped with nylon covered stainless steel rope.*

TPF85

TPM85

• *Closing cap for n. 85/100/150 contacts female socket with bayonet locking system. Equipped with nylon covered stainless steel rope.*

TPM85

TPF85

• *Closing cap for n. 85/100/150 contacts male plug with bayonet locking system. Equipped with nylon covered stainless steel rope.*

TPF85

MULTIPIN AUDIO CONNECTORS
Bayonet "CMIL" Series
AUDIO SYSTEM ACCESSORIES
"WALL MOUNT" Boxes

CMILG85FV

● *Cable mount female socket, rubber body highly resistant to heat, shocks and oils, bayonet mount locking system, n. 85 gold plated contacts.*

CMILG85FV

85 PIN

CMILG150FV

● *Cable mount female socket, rubber body highly resistant to heat, shocks and oils, bayonet mount locking system, n. 150 gold plated contacts.*

CMILG150FV

150 PIN

TPMG85

● *Rubber closing cap, highly resistant to heat, shocks and oils, for female socket with bayonet mount locking system, n. 85/150 contacts.*

TPMG85

TPMG85

● *Rubber closing cap, highly resistant to heat, shocks and oils, for female socket with bayonet mount locking system, n. 85/150 contacts.*

TPMG85

AUDIO SYSTEM ACCESSORIES - *"WALL MOUNT" Boxes*

SKAWM8

● *Recessed electrically zinc-plated perforated stage box, 65mm inner useable depth, including scratch-proof epoxy powder paint finish galvanized metal sheet connection plate for 8 XLR, black finish. Master pack: 1 pc.*

SKAWM16

● *Recessed electrically zinc-plated perforated stage box, 65mm inner useable depth, including scratch-proof epoxy powder paint finish galvanized metal sheet connection plate for 16 XLR, black finish. Master pack: 1*

SKAWM20

● *Recessed electrically zinc-plated perforated stage box, 65mm inner useable depth, including scratch-proof epoxy powder paint finish galvanized metal sheet connection plate for 20 XLR, black finish. Master pack: 1 pc.*

SKAWM8

SKAWM16

SKAWM20

AUDIO SYSTEM ACCESSORIES

BALE17
● *Nickel plated Ø 1 mm steel wire snake cable bale for 17-25 mm multipair cable holding.*

BALE20
● *Nickel plated Ø 1 mm steel wire snake cable bale for 20-28 mm multipair cable holding.*

BALE28
● *Nickel plated Ø 1 mm steel wire snake cable bale for 28-38 mm multipair cable holding.*

Mechanical protection of cables and bundles of cables.

COMMON PARAMETERS

Tensile Strength	*84.5 Mpa/cm2 (Astm D638)*
Max Elongation	*350% (Astm D638)*
Specific Gravity	*1.37 (Astm D729)*
Max Temperature	*0 ~ 40 °c*
Friction Coefficient	*0.19 (Astm D1894)*
Copper Contact Corrosion	*None (Astm D271)*

INTERNAL DIAMETER (NOM/MIN/MAX)

PROELFLEX2BK	*2/1.5/4 Mm.*
PROELFLEX8	*8/6/14*

MEDIUM WEIGHT

PROELFLEX2BK	*2.25 Gr/mm.*
PROELFLEX8	*6.9 Gr/mm.*

COLOURS
Black (Bk)

PROELFLEX2BK
PROELFLEX8
● *PROELFLEX twisted tubular sleeve is made of resin monofilament for mechanical protection of cables and bundles of cables. The "spring" effect of this protective sleeve allows covering cables of several dimensions and limited diameter, and also using the sleeve on a large length. Operating temperature range: -50°C/+150°C. Colour: black. Available in 100 mt reels.*

PROELFLEX2BK - PROELFLEX8

HANDYBOX
● *HandyBox heat-shrinkable sleeves are available in 4 dimensions in black colour. The typical applications of heatshrinkable sleeves are: electrical insulation, sleeve and cable repair, wire or other material identification, anti corrosion protection. Made of polyolefin, they feature an excellent mechanical strength. The shrunk size is aproximately 1/2 of original diameter. Operating temperature range: -55°C/+125°C.*

CODE	Inch	Ø Before shrinking	Ø After shrinking	Thikness	Length
PROEL48BK	3/16"	4.8 mm.	2.4 mm.	0.50 mm.	8 mt - 26.25
PROEL64BK	1/4"	6.4 mm.	3.2 mm.	0.60 mm.	6 mt - 19.68
PROEL95BK	3/8"	9.5 mm.	4.8 mm.	0.60 mm.	5 mt - 16.40
PROEL125BK	1/2"	12.7 mm.	6.4 mm.	0.60 mm.	5 mt - 16.40

AUDIO SYSTEM ACCESSORIES
"GAFFA TAPE"
EMPTY CABLE DRUMS
"AV" Series

GAFFABK
GAFFAGR

• *Cloth gaffa tape, 50 mm wide and 50 mt long roll. Available colours: black (GAFFABK), grey (GAFFAGR) and white (GAFFAWH)*

GAFFABK - GAFFAGR - GAFFAWH

GAFFAGNF
GAFFAYEF

• *New professional fluorescent cloth gaffa tape, 50mm wide and 50 mt roll length. Suitable to use on the stage for the evidence of possible obstacles and access/exit ways. Available in fluorescent green (GAFFAGNF) and fluorescent yellow (GAFFAYEF).*

GAFFAGNF   GAFFAYEF

GAFFAPROBK

• *New professional strong and waterproof matt Black cloth gaffa tape 50mm wide and 50 mt roll length. Suitable to use on the stage. Available in black colour.*

GAFFABKPRO

EMPTY CABLE DRUMS- *"AV" Series*

AV100
• *Blind ABS cable winder with metal structure, adjustable brake and crank handle. Easily adaptable to "Stage Box" audio systems by using connectors on the external flange. External diameter: Ø 320 mm.*

AV150
• *Empty metal cable winder with smooth central flange, without sockets. External diameter: Ø 320 mm. Master pack: 1 pc.*

AV200
• *Blind ABS cable winder with metal structure equipped with Ø 80 mm wheels, adjustable brake and crank handle. Easily adaptable to "Stage Box" audio systems by using connectors on the external flange. External diameter: Ø 420 mm.*

AV300
• *Metal cable winder with epoxy powder paint finish, friction brake to adjust speed of rewind system and crank handle. Easily adaptable to "Stage Box" audio systems by using connectors on the external flange. External diameter: Ø 420 mm.*

AV310
• *Professional cable winder with sturdy paint finish metal, PROEL AV310 is a high capacity drum, equipped with an adjustable brake, rewind system, crank handle and four Ø 60 mm. wheels. Easily adaptable to "Stage Box" audio systems by using connectors on the external flange. External diameter: Ø 450 mm.*

AV100

AV150

AV200

AV300

AV310

EMPTY CABLE DRUMS
"AV" Professional Series

AV400 - AV410

AV430

AV420

AV400
● *Sturdy paint finish metal cable winder, removable crank handle, adjustable friction brake, separating flange to secure bulky cable end connectors in separate compartments. Overall diameter: Ø 440 mm.*
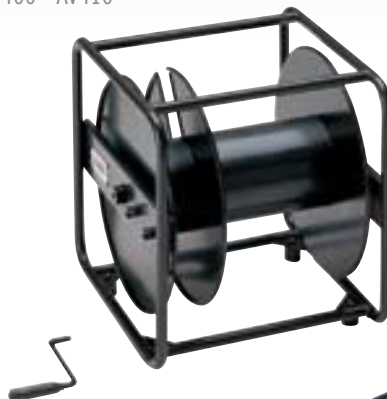
AV410
● *Sturdy paint finish metal cable winder, wheels for easy transport, removable crank handle, adjustable friction brake, separating flange to secure bulky cable end connectors in separate compartments. Overall diameter: Ø 530 mm.*

AV420
● *High capacity sturdy paint finish metal cable winder, removable crank handle, adjustable friction brake, separating flange to secure bulky cable end connectors in separate compartments. Overall diameter: Ø 820 mm.*

AV430
● *High capacity sturdy paint finish metal cable winder, removable crank handle, adjustable friction brake. Easily adaptable to an "Stage Box" audio systems by using connectors on the external flange. Overall diameter: Ø 770 mm.*

• Av400 Series Dimensions (mm.)							
CODE	A	C	B	D	S	L	P
AV400	400	450	450	160	90	260	440
AV410	400	450	450	160	90	350	530
AV420	400	450	450	160	90	620	820
AV430	400	450	450	160	/	550	770

CODE	Cable Diameter (Mm)													
	4	6	8	10	12	15	18	20	22	24	26	28	30	32
AV100/AV150	731	325	183	17	81	52	36	29	/	/	/	/	/	/
AV200	/	/	/	180	125	80	56	45	37	31	27	23	/	/
AV300	/	/	227	145	101	64	45	36	30	25	/	/	/	/
AV310	/	/	227	145	101	64	45	36	30	25	/	/	/	/
AV400	/	/	/	/	171	109	76	62	51	43	36	31	27	24
AV410	/	/	/	/	231	148	102	83	69	58	49	42	37	46
AV420	/	/	/	/	/	211	146	119	98	82	70	60	53	46
AV430	/	/	/	/	231	148	102	83	69	58	49	42	37	32